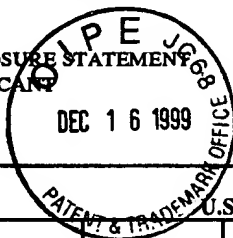


PATENT APPLICATION
Serial No. 09/393,311

Sheet 2 of 2

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO.	SERIAL NUMBER
	0621.78387	09/393,311
	APPLICANT	
	Eric Fox	
	FILING DATE	GROUP ART UNIT
	September 10, 1999	



Group 2700

MAR 21 2000

RECEIVED

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

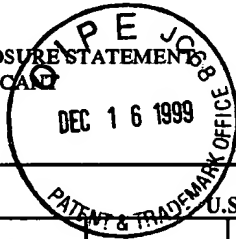
	Christer Jansson et al., "An Addressable 256X256 Photodiode Image Sensor Array With An 8-Bit Digital Output", Analog Integrated Circuits and Signal Processing 4, 1993, Pages 37-49
<i>Muk</i>	Sunetra K. Mendis, et al., "Design Of A Low-Light-Level Image Sensor With On-Chip Sigma-Delta Analog-to-Digital Conversion", SPIE, Vol. 1900, 1993, Pages 31-39
<i>Muk</i>	H. Kawashima et al., "A 1/4 Inch Format 250K Pixel Amplified MOS Image Sensor Using CMOS Process", IEEE International Electron Devices Meeting, 1993, Pages 575-578
<i>Muk</i>	Sunetra K. Mendis, et al., "A 128 x 128 CMOS Active Pixel Image Sensor For Highly Integrated Imaging Systems", IEEE International Electron Devices Meeting, 1993, Pages 583-586
<i>Muk</i>	Boyd Flower, et al., "TP 13.5: A CMOS Area Image Sensor With Pixel-Level A/D Conversion", IEEE International Solid-State Circuits Conference, 1994, Pages 226-227
<i>Muk</i>	Sunetra Mendis, et al., "CMOS Active Pixel Image Sensor", IEEE Transactions On Electron Devices, Vol. 41, No. 3, March 1994, Pages 452-453
<i>Muk</i>	R. H. Nixon, et al., "128X128 CMOS Photodiode-Type Active Pixel Sensor With On-Chip Timing, Control And Signal Chain Electronics", SPIE, Vol. 2415, 1995, Pages 117-123
<i>Muk</i>	Larry Armstrong, "Nasa's Tiny Camera Has A Wide-Angle Future", Science & Technology, Business Week, March 6, 1995, Pages 54-55
<i>Muk</i>	Zhimin Zhou, "On-Chip Signal Processing For CMOS Active Pixel Image Sensors", UMI, 1997, Pages i-260

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>9/19/00</i>
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PATENT APPLICATION
Serial No. 09/393,311

Sheet 1 of 2

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO.	SERIAL NUMBER
	0621.78387	09/393,311
	APPLICANT	
	Eric Fox	
	FILING DATE	GROUP ART UNIT
	September 10, 1999	



Group 2700

MAR 21 2000

RECEIVED

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>MLR</i>	5,841,126	11/24/98	Fossum et al.	_____	_____	
<i>MLR</i>	5,471,515	11/28/95	Fossum et al.	_____	_____	
<i>MLR</i>	5,345,266	9/6/94	Denyer	_____	_____	
<i>MLR</i>	5,262,871	11/16/93	Wilder et al.	_____	_____	
<i>MLR</i>	5,122,881	6/16/92	Nishizawa et al.	_____	_____	
<i>MLR</i>	5,083,016	1/21/92	Wyles et al.	_____	_____	
<i>MLR</i>	4,445,117	4/24/84	Gaalema et al.	_____	_____	

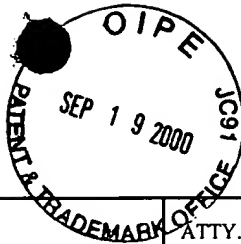
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MLR</i>	DeWitt Ong, "An All-Implanted CCD/CMOS Process", IEEE Transactions On Electron Devices, Vol. Ed-28, No. 1, January 1981, Pages 6-12
<i>MLR</i>	D. Renshaw, et al., "ASIC Image Sensors", Department of Electrical Engineering, University Of Edinburgh, IEEE, 1990, Pages 3038-3041
<i>MLR</i>	Orly Yadid-Pecht, et al., "A Random Access Photodiode Array For Intelligent Image Capture", IEEE Transactions On Electron Devices, Vol., 38, No. 8, August 1991, Pages 1772-1780
<i>MLR</i>	Sabrina E. Kemeny, et al., "Update On Focal-Plane Image Processing Research", SPIE, Vol. 1447, Charge-Coupled Devices And Solid State Optical Sensors II, 1991, Pages 243-250
<i>MLR</i>	Eric R. Fossum, "Future Directions In Focal-Plane Signal Processing For Space-Borne Scientific Imagers", SPIE, Vol. 1541, Infrared Sensors: Detectors, Electronics, and Signal Processing, 1991, Pages 62-67
<i>MLR</i>	Sabrina E. Kemeny, et al., "CCD Focal-Plane Image Reorganization Processors For Lossless Image Compression", IEEE Journal Of Solid-State Circuits, Vol. 27, No. 3, March 1992, Pages 398-405

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>9/26/03</i>
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	



PATENT APPLICATION
Serial No. 09/393,311

Sheet 1 of 1 RECEIVED

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 0621.78387	SERIAL NUMBER 09/393,311
	APPLICANT Eric Fox	
	FILING DATE September 10, 1999	GROUP ART UNIT

TECH CENTER 2700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MLR	J. Kramer, et al., "Industrial CMOS Technology for the Integration Of Optical Metrology Systems (photo-ASICs)", Sensors And Actuators, 1992, Pages 21-30
MLR	B. Dierickx, et al., "The Isophot Crea25 Far Infrared Si:P Matrix", Nuclear Instruments And Methods In Physics Research, 1989, Pages 527-529
MLR	M. Ogata, et al., "A Small Pixel CMD Image Sensor", IEEE Transactions On Electron Devices, Vol., 38, No.58, May 1991, Pages 1005-1010
MLR	Y. Matsunaga, et al., "A High-Sensitivity MOS Photo-Transistor For Area Image Sensor", IEEE Transactions On Electron Devices, Vol. 38, No. 5, May 1991, Pages 1044-1047
MLR	J. Hynecck, "BCMD-An Improved Photosite Structure for High-Density Image Sensors", IEEE Transactions On Electron Devices, Vol. 38, No. 5, May 1991, Pages 1011-1020
MLR	P. B. Denyer, et al., "CMOS Image Sensors For Multimedia Applications", IEEE Custom Integrated Circuits Conference, 1993, Pages 11.5.1-11.5.4
MLR	E. Fossum, "Active Pixel Sensors: Are CCD's Dinosaurs?", SPIE - Charge-Coupled Devices and Solid State Optical Sensors III, Vol. 1900, 1993, Pages 2-14
MLR	D. Standley, et al., "Analog CMOS IC for Object Position and Orientation", SPIE - Visual Information Processing: From Neurons to Chips, Vol. 1473, 1991, Pages 194-201
MLR	B. Mathur, et al., "Pixel Level Data Fusion: From Algorithm to Chip", SPIE - Visual Information Processing: From Neurons to Chips, Vol. 1473, 1991, Pages 153-160
MLR	S. Kemeny, "CCD Focal-Plane Image Reorganization Processors", Sensors and Actuators, Columbia University, 1991, Pages 1-295
MLR	B. Pain, "Low-Noise CMOS Circuits For On-Chip Signal Processing In Focal-Plane Arrays", Nuclear Instruments and Methods In Physics Research, Columbia University, 1993, Page 1-251

EXAMINER	DATE CONSIDERED 9/9/93
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	